



THE WORLD LEADER IN HIGH PERFORMANCE WRAPAROUND™ ANTENNAS.

ANTENNA QUESTIONNAIRE

Because every antenna has special mechanical and environmental considerations, we have provided this questionnaire to assist us in better understanding your specific antenna needs. Please fill out with all of the applicable information you can provide, and send directly to Haigh-Farr.

Type of Antenna: Wraparound™ Omnislot™ Flexislot™ Blade Button Conformal Other

Program Name: _____ Type of Vehicle: _____

First Article Delivery: _____ Production Article Delivery: _____ Quantity: _____

Describe the Application (if multi-band, check all that apply, and please include information for each channel below)

Flight Termination GPS Telemetry Transponder Other/Additional Info: _____

<u>ELECTRICAL INFORMATION:</u>	BAND 1	BAND 2	BAND 3	BAND 4	BAND 5
Frequency (MHz)					
Bandwidth (MHz)					
Average Power Output (W)					
Peak Power Output (W)					
Polarization					
Gain (dBi)					

Beam Coverage Desired: Omnidirectional Hemispherical Beam (specify Beamwidth) _____

Antenna Connector or Direct Cable Feed: Connector type? _____ Direct cable feed

Other Additional Information: _____

Mechanical Information

Vehicle shape (attach sketch, drawings, or model if possible): _____

Shape of the mounting surface: Flat Cylindrical Conical Conformal

Type of mounting to vehicle: Flush Exterior Other/Additional Information: _____

Where will the antenna be mounted (e.g. nose, tail, etc.): _____

Area Available for the Antenna

For cylindrical/conical surfaces: Circumferential Length: _____ Axial Length: _____ Thickness: _____

For flat surfaces: Length: _____ Width: _____ Thickness: _____

Method of attachment to vehicle: Screw Adhesive Other: _____

Will anything cover any part of the antenna's outer surface, such as a fin, ablative surface, or cable channel? If yes, please specify what and where:

Environmental Specification Information:

Temperature range/profile soak: _____ Aero heating: _____

Mach number or speed: _____

Flight duration: _____

Shock & vibration parameters: _____

Other requirements: _____

Additional Information (attach any sketches or drawings)

Formal tests required (check all that apply)

ATP Qualification Protoqual First Article

Testing parameters: Thermal Cycling Vibration Humidity Salt Fog Shock Pyro-shock
(check all that apply) Bench Shock VSWR Antenna Patterns

Simulation Requirements: _____

Your Information

Name: _____

Title: _____

Email Address: _____

Company: _____

Division: _____

Address: _____

Office Phone Number: _____

Fax Number: _____

Best method to contact: _____

DESIGN CAPABILITY

With over 40 years of antenna design, your antenna configuration/performance requirements may already exist, or extrapolations from similar Haigh-Farr designs may be possible with minimal effort. If a design meeting your requirements does not exist, Haigh-Farr has the experience and simulation capability to customize a solution. Contact Haigh-Farr for a review of your antenna requirements.